

ABSTRACT OF THE DISCLOSURE

In multicarrier transmission for multiplying transmit data individually by each code constituting orthogonal codes and transmitting each result of 5 multiplication by a prescribed subcarrier, a plurality of different subcarriers are assigned exclusively to each user and each user performs multicarrier transmission of the transmit data by the subcarriers assigned. Further, a base station assigns a plurality 10 of different subcarriers to each user exclusively, applies beam-forming processing on a per-user basis and performs multicarrier transmission of transmit data to each user by the subcarriers assigned.